SINCE 1980

ALAREEN

LIFTING & MOORING

Experience Strength & Reliability

SINCE 1980
ALAREEN
LIFTING & MOORING

COMPANY PROFILE

Al Areen International Group is a multifaceted company established in 1980. It enjoys the patronage of a renowned and influential business family in the UAE. Al Areen made its foray into the business world as a distributor of marine accessories. It took market situation by the forelock and skyrocketed to a leading position in the distribution of Lifting & Mooring accessories in the gulf. With effective management ability, foresight, entrepreneurial zest and a team of talented and committed workforce; Al Areen, consolidated its presence and developed into one of the major business groups in the country. Further more, the company has well defined vision to diversify into as many business, to satiate the needs of the customers.

CHAIRMAN'S MESSAGE

Al Areen was established with a crystal clear purpose of giving its customers utmost satisfaction. I am proud to state that we have been on the right track right from the inception. We have great vision for the future. We set realistic goals; we employed dedicated people; we tapped into a potential market and delivered against all odds. Inspired by our own success, we diversified the scope of business, never loosing sight of the vision and purpose. I am glad that today our performance can be paralleled to International standards. I am confident that Al Areen would achieve greater heights and continue to satisfy its customers in the future.

Sheikh Butti Bin Suhail Al Maktoum
Chairman

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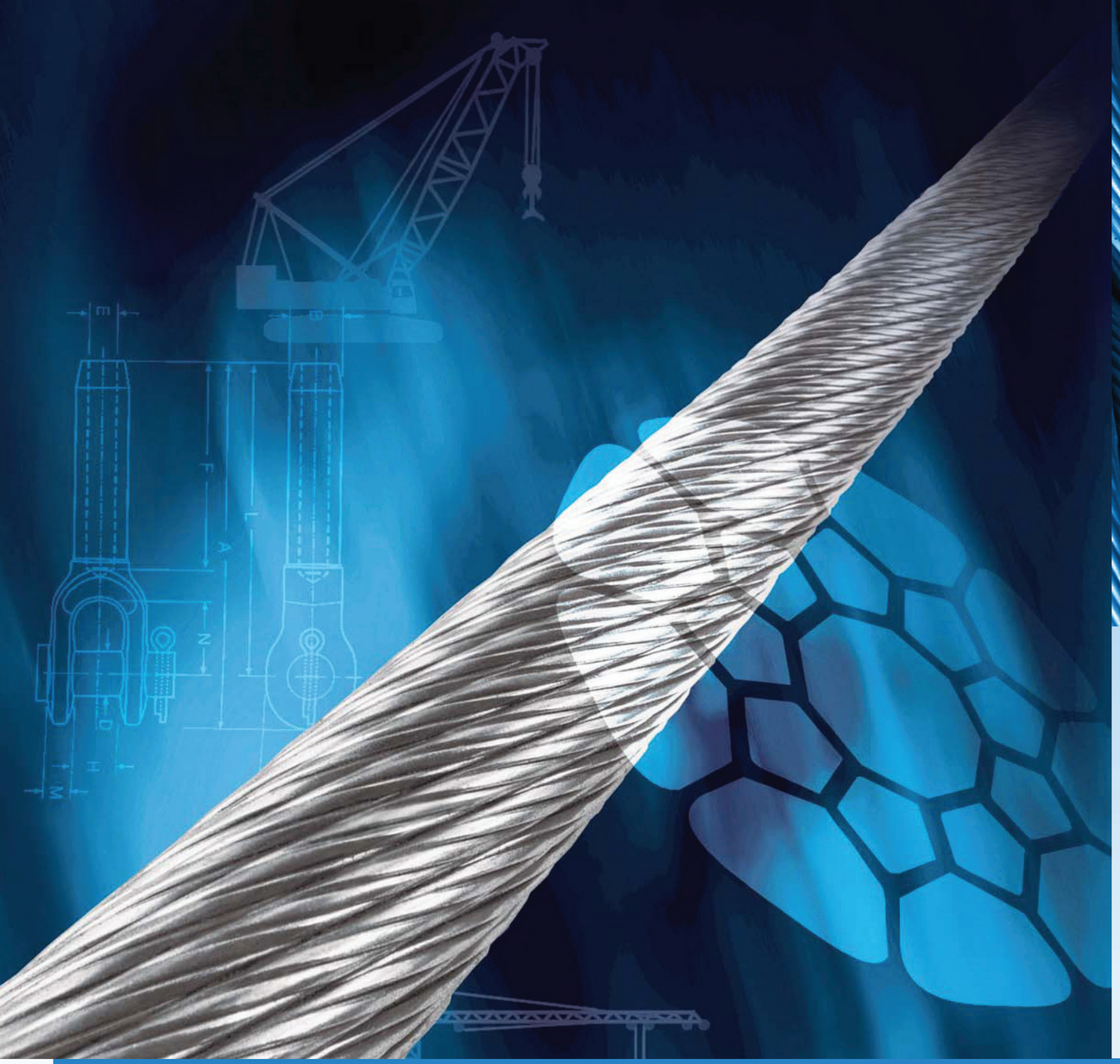

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CRANE ROPES

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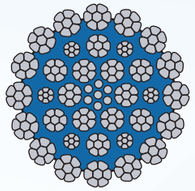
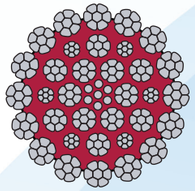
POWERFORM® 35/35P



Powerform® 35



Powerform® 35P

- Powerform 35/35P has the highest strength of all low rotation hoist ropes.
- A sample of rope from each production batch is tested to destruction in order to conform compliance with catalogue breaking force values.
- Maximum resistance to rotation.
- Suitable for use on single part and multi-part hoist reeving systems.
- High fatigue life resulting from the unique compaction process.
- Increased resistance to crushing. Recommended for multi-layer spooling operations.
- Increased abrasion resistance resulting from the unique compaction process.
- Optional plastic impregnation (P) signifies full plastic impregnation of the Steel Core.
- Fully lubricated in manufacturing.

Standard Characteristics Powerform 35/35P			
Construction	10mm-40mm	35xK7(16xK7:6xK7+6xK7- 6xK7-1x7)	
	42mm-60mm	35xK19S(16xK19S:6xK19S+6xK19S-6xK19S-1x19S)	
Compacted		Yes	No
		•	
Tensile Grade N/mm2		1960	2160
		•	•
Finish		Bright	Galvanised
		•	•
Lay Direction		Right Hand	Left Hand
		•	
Lay Type		Ordinary	Langs
			•
Average Fill Factor (%)		74.5	
Turn value at 20% of breaking force degrees/rope lay		0.2	
Nominal rope lay length (NRD = Nominal Rope Diameter)		6.0 x NRD	
Discard Criteria		Refer to ISO 4309:1990	

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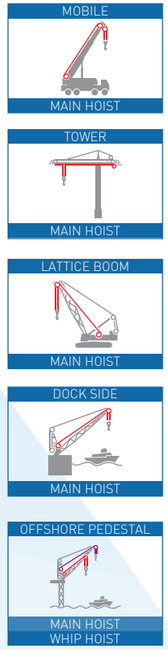
Nominal Rope Dia.	Approx. Dia.	Approx. Mass	Minimum Breaking Force Galvanized & Ungalvanized Rope Grade 1960 N/mm2		2160 N/mm2	
mm	Inch	kg/100m	kN	tf	kN	tf
	1/2	81.1	148	15.1	160	16.3
13		85.0	155	15.8	167	17.0
14		98.6	180	18.3	192	19.6
16	5/8	129	233	23.8	252	25.7
18		163	300	30.6	321	32.7
19	3/4	182	331	33.7	358	36.5
20		201	372	37.9	399	40.7
21		222	402	41.0	434	44.2
22		243	444	45.3	484	49.3
	7/8	249	453	46.2	490	49.9
24		290	531	54.1	572	58.3
	1	325	591	60.2	640	65.2
26		340	621	63.3	661	67.4
28		394	720	73.4	788	80.3
	1-1/8	411	748	76.2	810	82.6
30		453	827	84.3	904	92.2
32	1-1/4	515	944	96.2	1035	106
35	1-3/8	616	1125	115	1216	124
36		652	1185	121	1286	131
38	1-1/2	726	1326	135	1437	146
40		805	1477	151	1588	162
42		887	1485	151		
44		974	1618	165		
	1-3/4	994	1646	168		
46		1064	1765	180		
48		1159	1935	197		
50		1258	2078	212		
	2	1298	2150	219		
52		1360	2256	230		

*Mass per unit length of Powerform® 35P increases by approx. 3%

Note:

- Powerform® 35P is available on special request and prior confirmation
- Rope Sizes and Breaking Force not shown in the standard table, may be available on request and prior confirmation.

TYPICAL APPLICATIONS



MAIN HOIST ■
WHIP HOIST ■

CRANE ROPES

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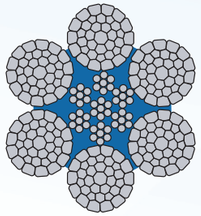
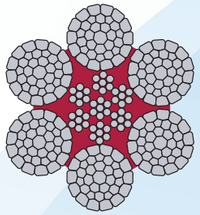
POWERFORM® 6/6P



Powerform® 6



Powerform® 6P

- Powerform® 6 is a high strength rugged six strand rope ideal for situations where longer service life is required.
- A sample of rope from each production batch is tested to destruction in order to confirm compliance with catalogue breaking force values.
- Powerform® 6 can be substituted for any six strand construction to improve service life and reduce total cost.
- High fatigue life resulting from the unique compaction process.
- Maximum resistance to crushing. Recommended for multi-layer spooling operations.
- Increased abrasion resistance resulting from the unique compaction process.
- Fully lubricated in manufacturing.
- Optional Plastic impregnation (P) signifies full Plastic impregnation of the steel core.

Standard Characteristics Powerform® 6/6P		
Construction	6xK36SW(14-7+7-7-1)-CWR	
	6xH41SW(16+8+8+8-1)-CWR	
Compacted	Yes	No
	•	
Tensile Grade N/mm²	1770	1960
	•	•
Finish	Bright	Galvanised
	•	•
Lay Direction	Right hand	Left hand
	•	•
Lay Type	Ordinary	Langs
	•	
Average Fill Factor (%)	67.5	
Turn value at 20% of Breaking force degrees/ropes lay	58	
Nominal rope lay length (NRD=Nominal Rope Diameter)	6.5 x NRD	
Discard Criteria	Refer to ISO 4309:1990	

Warning: Powerform® 6/6P in Langs lay must only be used in applications where both ends are secured and are unable to rotate.

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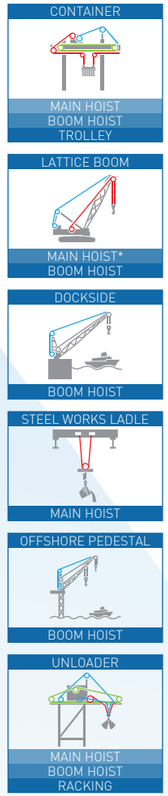
Nominal Rope Dia.	Approx. Dia.	Approx. Mass	Minimum Breaking Force Galvanized & Ungalvanized Rope Grade 1960 N/mm2		2160 N/mm2	
mm	Inch	kg/100m	kN	tf	kN	tf
10		46.4	69.5	7.1	85.7	8.7
11		56.1	83.8	8.5	98.6	10.1
12		66.8	100	10.2	114	11.6
	1/2	74.8	113	11.5	140	14.3
13		78.4	118	12.0	147	15.0
14		90.9	137	14.0	170	17.3
15		104	157	16.0	195	19.9
16	5/8	119	178	18.1	218	22.2
17		134	201	20.5	246	25.1
18		150	225	22.9	276	28.1
19	3/4	168	251	25.6	304	31.0
20		186	278	28.3	335	34.1
22		225	336	34.3	400	40.8
	7/8	229	343	35.0	408	41.6
24		267	400	40.8	489	49.8
	1	299	449	45.8	552	56.3
26		314	470	47.9	578	58.9
28		364	545	55.6	657	67.0
30		418	626	63.8	757	77.2
32	1-1/4	475	712	72.6	846	86.2
34		518	804	82.0	916	93.4
36		581	901	91.8	1065	109
38	1-1/2	647	1004	102	1165	119
40		717	1112	113	1295	132
42		790	1226	125	1425	145
44		867	1246	127	1505	153
46		948	1362	139	1665	170
48		1032	1483	151	1885	192
50		1120	1609	164	1975	201
52		1211	1741	177	2135	218
54		1306	1877	191	2325	237
56		1405	2019	206	2475	252
58		1507	2166	221	2650	270
60		1613	2317	236	2810	286

TYPICAL APPLICATIONS



BOOM HOST
MAIN HOST
RACKING/ROLLEY

*For higher lifting heights a rotation resistant rope should be selected.

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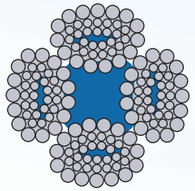
HYFLEX 4



Hyflex 4

- Rugged 4 strand steel wire rope.
- Good rotation resistance.
- Recommended for severe applications.
- Fully lubricated in manufacturing.
- A sample of rope from each production batch is tested to destruction in order to confirm compliance with catalogue breaking force values.

Standard Characteristics Hyflex 4		
Construction	4x39(15-15/9-CFS)-CFS	
Compacted	Yes	No
		•
Tensile Grade N/mm2	1770	1960
		•
Finish	Bright	Galvanised
	•	
Lay Direction	Right hand	Left hand
	•	
Lay Type	Ordinary	Langs
	•	
Average Fill Factor (%)	50.8	
Discard Criteria	Refer to ISO 4309:1990	

Warning: Hyflex 4 in Langs lay must only be used in applications where both ends are secured and are unable to rotate.

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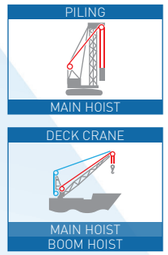
Nominal Rope Dia.	Approx. Dia.	Approx. Mass	Minimum Breaking Force Galvanized & Ungalvanized Rope Grade 1960 N/mm2		Minimum Breaking Force Galvanized & Ungalvanized Rope Grade 2160 N/mm2	
mm	Inch	kg/100m	kN	tf	kN	tf
10		44.8	64.0	6.5	69.4	7.1
12		65.4	92.3	9.4	99.9	10.2
14		88.8	125.5	12.8	136.5	13.9
16	5/8	117	164.5	16.8	177.4	18.1
18		149	207.5	21.2	224.5	22.9
19	3/4	167	231.5	23.6	250.5	25.5
20		183	256.5	26.2	277.5	28.3
22		214	310	31.6	336	34.3
	7/8	218	317	32.3	343	35.0
24		253	369	37.6	400	40.8
25		275	399	40.7	432	44.1
	1	284	413	42.1	448	45.7
26		298	433	44.2	469	47.8
28		346	502	51.2	544	55.5
30		398	576	58.7	624	63.6
32	1-1/4	456	656	66.9	689	70.3
34		512	740	75.5	802	81.8
36		574	830	84.6	898	91.6
38	1-1/2	640	924	94.2	1002	102
40		709	1002	102	1082	110
42		782	1102	112	1192	122
44		859	1212	124	1312	134
45		898	1272	130	1372	140

TYPICAL APPLICATIONS



BOOM HOST
MAIN HOST

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TITAN OIL FIELD ROPES

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TITAN ANCHOR MOORING & PENNANT ROPES

Anchor Lines:

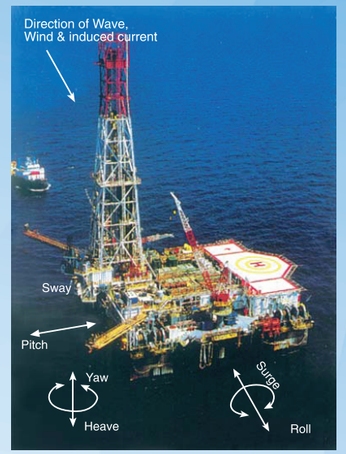
Deteriorating forces
- Heavy Loads in six degrees of freedom
- Cyclic loads (Tension & Bending)
- Corrosion
- Torque

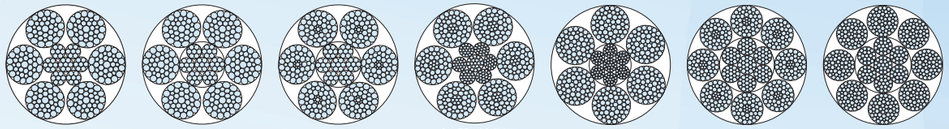
Properties required
- High Strength
- Structural Rigidity
- Resistant to abrasion & fatigue
- High Elasticity to absorb shock load
- Protection for corrosion

Pennant Ropes:

Deteriorating forces
- Abrasion due to Drum/Sheave under heavy load
- Fatigue
- Corrosion

Properties required
- Rope with optimum balance between
- Toughness (Ruggedness) and Abrasion resistance.
- Flexibility and fatigue resistance





6 x 36 SW | 6 x 41 SW | 6 x 49 SWS | 6 x 52 (46)SW | 6x61SW | 8x52SW | 8x61SW

Construction		Nominal Rope Diameter	
Rope	Stand Laid	in.	mm
6x36SW	14-(7+7)-7-1	2 to 3-1/4	52 to 83
6x41SW	16-(8+8)-8-1	2 to 3-3/8	52 to 87
6x49SWS	16-(8+8)-8-8-1	2-3/8 to 3-1/4	60 to 83
6x52(46)SW	18-(9+9)-9/6-1	3-3/8 to 4-1/2	87 to 115
6x61SW	20-(10+10)-10-5F-5-1	4-3/4 to 5	121 to 127
8x52SW	18-(9+9)-9/6-1	4-3/4 to 5-1/4	121 to 134
8x61SW	20-(10+10)-10-5F-5-1	5-1/4 to6	134 to 154

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Nominal Rope Diameter		Approximate Mass				Minimum Breaking Force					
		lb/ft		Kg/m		TITAN		SUPER TITAN		TITAN MAX	
in.	mm	air	sub merged	air	sub merged	MT	kN	MT	kN	MT	kN
6 Strand Rope											
2.0	52	7.53	6.35	11.2	9.45	208	2040	227	2222		
2-1/8	54	8.54	7.19	12.7	10.7	234	2295	254	2492		
2-1/4	58	9.54	8.06	14.2	12.0	259	2540	282	2761		
2-3/8	60	10.6	8.87	15.7	13.2	287	2814	312	3063		
2-1/2	64	11.8	9.95	17.5	14.8	316	3099	343	3365		
2-5/8	67	13.0	11.0	19.3	16.3	346	3393	376	3689		
2-3/4	71	14.2	12.0	21.2	17.9	378	3707	410	4025		
2-7/8	74	15.6	13.2	23.2	19.6	411	4030	447	4382		
3.0	77	17.0	14.3	25.3	21.3	446	4373	484	4751	504	4940
3-1/8	80	18.4	15.5	27.4	23.1	480	4707	522	5121	543	5320
3-1/4	83	19.9	16.8	29.6	25.0	517	5070	562	5512	584	5730
3-3/8	87	21.5	18.1	32.0	27.0	542	5315	602	5903	626	6138
3-1/2	90	23.1	19.5	34.4	29.0	578	5668	642	6294	680	6665
3-5/8	92	24.7	20.8	36.8	31.0	611	5991	679	6662	710	6967
3-3/4	96	26.5	22.4	39.5	33.3	645	6325	717	7029	740	7255
4.0	103	29.8	25.1	44.4	37.4	726	7119	806	7908		
4-1/8	105	31.9	26.9	47.4	40.0	745	7305	828	8119		
4-1/4	108	33.7	28.4	50.2	42.3	819	8031	910	8928		
4-1/2	115	37.8	31.9	56.2	47.4	903	8855	1004	9845		
4-3/4	121	42.1	35.5	62.6	52.8	995	9757	1105	10840		
5	127	46.6	39.3	69.4	58.5	1101	10796	1224	12000		

George Taylor & Company
Lifting Gear (Midlands) Ltd

VAN BEEST

GN
ROPE FITTINGS

RIGGING SERVICES & ACCESSORIES

HITEC LIFTING & SAFETY SERVICE

With our State of the Art Facility, Al Areen International has the means to manufacture Lifting Slings up to a diameter of 4" on our 2000 Ton Capacity Swaging Machine. With a Digital Tensile Test Bed, Our Company is well equipped to conduct Testing of Lifting and Mooring Slings. For Manufacturing Slings we use Engineered Length Control to attain the exact required Effective Working Length. Our Rigging Shop has been set up in compliance with the Government Regulations.

Different types of Slings we manufacture include:

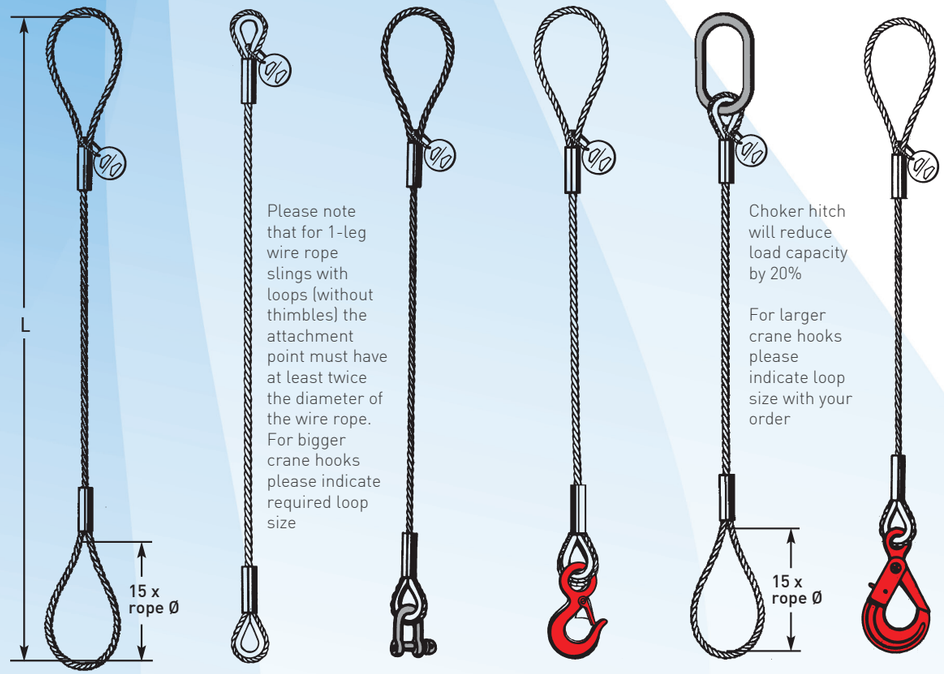
- Slings With Soft Eyes.
- Slings With Flemish Eyes.
- Wire Ropes With Special Terminations (Open/Closed Spelter Sockets etc.)
- Cable Laid Grommets.
- Cable Laid Hand Spliced Slings.

A Consolidated Test Certificate will be provided with every Sling we manufacture.

WIROP INDUSTRIAL
http://www.wirop.com.tw
COMPANY LIMITED

STEEL WIRE ROPE SLINGS

Wire Rope Sling with pressed Loops	Wire Rope Sling with pressed Thimble	Wire Rope Sling with pressed Loop and Shackle	Wire Rope Sling with pressed Loop and Safety Eye Hook	Wire Rope Slings with Master Link and pressed Loop	Wire Rope Sling with pressed Loop and self-locking Eye Hook



Please note that for 1-leg wire rope slings with loops (without thimbles) the attachment point must have at least twice the diameter of the wire rope. For bigger crane hooks please indicate required loop size

Choker hitch will reduce load capacity by 20%

For larger crane hooks please indicate loop size with your order

RIGGING SERVICES & ACCESSORIES

STEEL WIRE ROPE SLINGS CHART

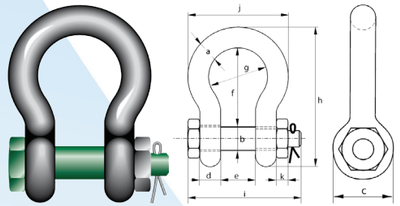
6x19 6x36 Groups Steel Core - Grade 1770 N/mm2							
Rope Dia.	Safe Working Load					Min Break Load	Proof Load Per Leg @ 0^0
	Single Leg	Leg Angle 0-90 Degrees		Leg Angle 90-120 Degrees			
		2 Leg	3x4 Leg	2 Leg	3x4 Leg		
mm	tonne	tonne	tonne	tonne	tonne	tonne	tonne
8	0.82	1.10	1.70	0.82	1.20	4.11	1.64
9	1.00	1.40	2.10	1.00	1.50	5.20	2.00
10	1.30	1.80	2.70	1.30	1.90	6.42	2.60
11	1.50	2.20	3.20	1.50	2.30	7.77	3.20
12	1.80	2.60	3.90	1.80	2.80	9.25	3.60
13	2.10	3.00	4.50	2.10	3.20	10.80	4.40
14	2.50	3.50	5.30	2.50	3.80	12.60	5.00
16	3.30	4.60	6.90	3.30	4.90	16.40	6.60
18	4.10	5.80	8.70	4.10	6.20	20.80	8.40
19	4.60	6.40	9.70	4.60	6.90	23.10	9.20
20	5.10	7.20	10.80	5.10	7.70	25.70	10.20
22	6.20	8.70	13.00	6.20	9.30	31.10	12.40
24	7.40	10.30	15.50	7.40	11.10	37.00	14.80
26	8.70	12.10	18.20	8.70	13.00	43.40	17.40
28	10.10	14.10	21.10	10.10	15.10	50.40	20.20
32	13.10	18.40	27.60	13.10	19.70	65.70	26.20
35	15.70	22.00	33.00	15.70	23.60	78.70	31.40
36	16.60	23.30	35.00	16.60	25.00	83.30	33.20
38	18.50	26.00	39.00	18.50	27.80	92.80	37.00
40	20.60	28.80	43.20	20.60	30.90	103.00	41.20
44	24.80	34.70	52.10	24.80	37.20	124.00	49.60
48	29.60	41.40	62.10	29.60	44.40	148.00	59.20
52	34.80	48.70	73.10	34.80	52.20	174.00	69.60
54	37.40	52.30	78.50	37.40	56.10	187.00	74.80
56	40.20	56.30	84.40	40.20	60.30	201.00	80.40
60	46.20	64.70	97.00	46.20	69.30	231.00	92.40
64	54.80	76.70	115.10	54.80	82.20	274.00	109.60
71	66.60	93.20	139.80	66.60	99.90	333.00	133.20
77	77.80	108.90	163.40	77.80	116.70	389.00	155.60

VAN BEEST

GREEN PIN STANDARD SHACKLES

Bow shackles with safety bolt

- Material : bow and pin high tensile steel, Grade 6, quenched and tempered
- Safety Factor : MBL equals 6 x W.L.L.
- Standard : EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 3, Grade A
- Finish : hot dipped galvanized
- Temperature Range : -20°C up to +200°C
- Certification : at no extra charges this product can be supplied with a works certificate, 3.1 material certificate, manufacturer test certificate, EC Declaration of Conformity and all shackles starting from 2 t can be supplied with DNV 2.7-1 certificate.



Note: for details on dimensions and tolerances please consult our CAD drawings, these are available on request.

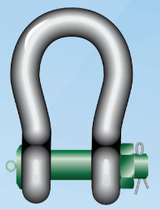
working load limit t	diameter bow A mm	diameter pin B mm	diameter eye C mm	width eye D mm	width inside E mm	length inside F mm	width bow G mm	length H mm	length bolt I mm	width J mm	thickness nut K mm	weight each kg
0.5	7	8	16.5	7	12	29	20	48.5	42	34	4	0.06
0.75	9	10	20	9	13.5	32	22	56	50	40	5	0.11
1	10	11	22.5	10	17	36.5	26	63.5	60	46	8	0.16
1.5	11	13	26.5	11	19	43	29	74	67	51	11	0.22
2	13.5	16	34	13	22	51	32	89	82	58	13	0.42
3.25	16	19	40	16	27	64	43	110	98	75	17	0.74
4.75	19	22	46	19	31	76	51	129	114	89	19	1.18
6.5	22	25	52	22	36	83	58	144	130	102	22	1.77
8.5	25	28	59	25	43	95	68	164	150	118	25	2.58
9.5	28	32	66	28	47	108	75	185	166	131	27	3.66
12	32	35	72	32	51	115	83	201	178	147	30	4.91
13.5	35	38	80	35	57	133	92	227	197	162	33	6.54
17	38	42	88	38	60	146	99	249	202	175	19	8.19
25	45	50	103	45	74	178	126	300	249	216	23	14.22
35	50	57	111	50	83	197	138	331	269	238	26	19.85
42.5	57	65	130	57	95	222	160	377	301	274	29	28.33
55	65	70	145	65	105	260	180	433	330	310	32	39.59
85	75	83	162	73	127	329	190	527	380	340	39	62

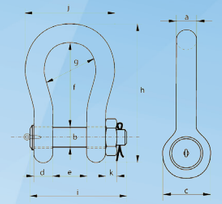
VAN BEEST

GREEN PIN HEAVY DUTY SHACKLES

Bow shackles with safety bolt

- Material : bow and pin alloy steel, Grade 8 quenched and tempered
- Safety Factor : MBL equals 5 x W.L.L.
- Finish : shackle bow painted silver, pin painted green (120 tons shackle is hot dipped galvanized)
- Certification : at no extra charges this product can be supplied with a works certificate, material certificate, manufacturer test certificate, EC Declaration of Conformity and all shackles starting from 150 tons are supplied with a Lloyd's Register of Shipping Certificate on proof load





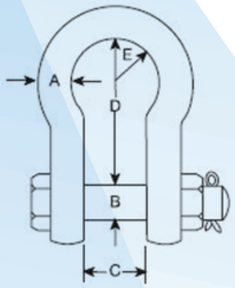
Note: for details on dimensions and tolerances please consult our CAD drawings, these are available on request.

working load limit t	diameter bow A mm	diameter pin B mm	diameter eye C mm	width eye D mm	width inside E mm	length inside F mm	width bow G mm	length H mm	length bolt I mm	width J mm	thickness nut K mm	weight each kg
120	95	95	208	91	147	400	238	647	440	428	50	110
150	105	108	238	102	169	410	275	688	490	485	60	160
200	120	130	279	113	179	513	290	838	520	530	60	235
250	130	140	299	118	205	554	305	904	560	565	65	285
300	140	150	325	123	205	618	305	996	575	585	70	340
400	170	175	376	164	231	668	325	1114	690	665	70	560
500	180	185	398	164	256	718	350	1190	720	710	70	685
600	200	205	444	189	282	718	375	1243	810	775	70	880
700	210	215	454	204	308	718	400	1263	870	820	70	980
800	210	220	464	204	308	718	400	1270	870	820	70	1100
900	220	230	485	215	328	718	420	1296	920	860	70	1280
1000	240	240	515	215	349	718	420	1336	940	900	70	1460
1250	260	270	585	230	369	768	450	1456	1025	970	70	1990
1500	280	290	625	230	369	818	450	1556	1025	1010	70	2400

George Taylor & Company
Lifting Gear (Midlands) Ltd

BLUE PIN STANDARD BOW SHACKLES WITH SAFETY NUT & BOLT PIN

- Grade 6 high tensile steel body and pin, quenched and tempered.
- Meets the performance requirements of EN 13889 from sizes 0.5 tonne to 25 tonne.
- Meets the performance requirements of US Fed Spec RR C 271.
- Proof load tested to 2 times the W.L.L.
- Minimum breaking load is 6 times the W.L.L.
- Hot dipped galvanised.
- Marked with manufacturers mark, size, ID mark and W.L.L.

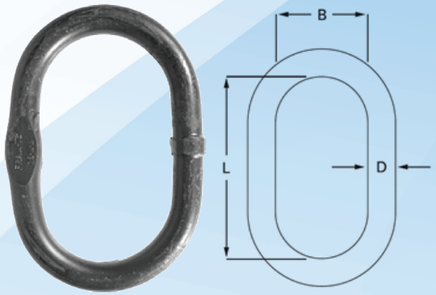


W.L.L (tonnes)	A (mm)	B (mm)	C (mm)	D (mm)	2E (mm)	Weight (kgs/each)
0.50	6.4	8.0	12.0	28.6	20	0.07
0.75	8.0	10.0	13.0	31.0	21	0.13
1.00	9.5	12.0	17.0	36.5	26	0.17
1.50	11.0	12.0	18.0	42.5	29	0.25
2.00	12.7	16.0	20.6	47.3	32	0.44
3.25	16.0	19.8	27.0	60.5	43	0.79
4.75	19.0	22.0	32.0	71.5	51	1.26
6.50	22.0	27.0	36.6	84.0	58	1.88
8.50	25.0	30.0	43.0	96.0	68	2.78
9.50	28.5	33.0	46.0	108.0	75	3.87
12.00	31.8	36.0	51.6	119.0	83	5.26
13.50	34.9	39.0	57.0	133.5	92	6.94
17.00	38.0	42.0	60.0	147.0	99	8.79
25.00	44.0	52.0	73.0	178.0	126	14.99
35.00	50.0	56.0	82.0	197.0	138	20.65
55.00	63.5	68.0	105.0	267.0	180	41.05
85.00	75.0	85.0	127.0	320.0	190	62.00
120.00	88.0	95.0	133.0	372.0	240	106.00

George Taylor & Company
Lifting Gear (Midlands) Ltd

MASTER LINK

- Conforms to BS-EN 1677-4.
- Blue painted finish.
- Grade 8 alloy steel quenched and tempered.
- Supplied with charpy certs on request.
- Tested and certified.



Part No	D (mm)	L (mm)	B (mm)	W.L.L. (tonnes)	Minimum Factor of Safety	Weight (kgs/each)
11B4	11	83	40	2.1	4.0	0.2
13B5	13	95	54	2.7	4.0	0.3
13B6	13	115	60	2.7	4.0	0.4
16B6	16	120	70	4.1	4.0	0.6
16B7	16	190	100	3.2	4.0	0.9
20B6	20	150	82	6.7	4.0	1.1
20B7	20	170	90	6.5	4.0	1.3
22B6	22	170	90	8.2	4.0	1.6
22B7	22	210	110	7.2	4.0	1.9
22B8	22	270	140	5.8	4.0	2.5
25B6	25	190	103	10.7	4.0	2.3
28B6	28	210	112.5	12.9	4.0	3.2
28B7	28	270	140	11.8	4.0	4.0
32B6	32	270	140	17.1	4.0	5.3
38B6	38	270	140	28.1	4.0	7.6
38B7	38	420	220	19.1	4.0	11.0
45B6	45	320	170	38.3	4.0	12.5
45B7	45	470	250	27.6	4.0	17.5
50B6	50	380	200	45.0	4.0	18.0
60B6	60	430	220	65.3	4.0	29.0
70B6	70	500	250	84.4	4.0	43.2

George Taylor & Company
Lifting Gear (Midlands) Ltd

QUAD ASSEMBLIES

- Conforms to BS-EN 1677-4.
- Blue painted finish.
- Grade 8 alloy steel quenched and tempered.
- Supplied with charpy certs on request.
- Tested and certified.

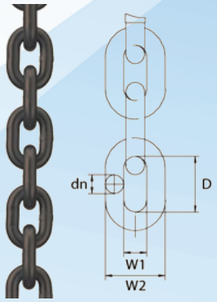
Part No	D1 (mm)	L1 (mm)	B1 (mm)	D2 (mm)	L2 (mm)	B2 (mm)	W.L.L. (tonnes)	Minimum Factor of Safety	Weight (kgs/each)
Q16B	16	120	70	13	95	51	4.1	4.0	1.2
Q20B	20	170	90	16	120	70	6.5	4.0	2.5
Q22B	22	170	90	20	150	80	8.2	4.0	2.8
Q22B8	22	270	140	16	120	70	5.8	4.0	3.5
Q25B	25	190	100	20	150	80	10.7	4.0	4.9
Q28B	28	210	110	22	170	90	12.9	4.0	6.4
Q32B	32	270	140	25	190	100	17.1	4.0	10.0
Q38B	39	270	140	32	270	140	28.1	4.0	18.2
Q45B	45	320	170	38	270	140	38.3	4.0	27.7
Q50B	50	380	200	38	270	140	45.0	4.0	33.2
Q60B	60	430	220	50	380	200	65.3	4.0	54.0
Q70B	70	500	250	60	430	220	84.4	4.0	101.2

RIGGING SERVICES & ACCESSORIES

George Taylor & Company
Lifting Gear (Midlands) Ltd

GRADE 8 SHORT LINK CHAIN

- Alloy steel material, heat treated.
- Black painted finish.
- Conforms to BS EN 818-2.
- Working temperature range: -40 °C to +400 °C (Reductions in W.L.L apply).
- Marked with manufacturers identification and material grade.



Dimensions

dn (mm)	D (mm)	W1(min) (mm)	W2(max) (mm)
7	21	9.1	25.9
8	24	10.4	29.6
10	30	13	37
13	39	16.9	48.1
16	48	20.8	59.2
20	60	26	74
22	66	28.6	81.4
26	78	33.8	96.2
32	96	41.6	118

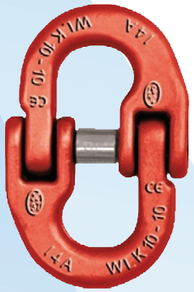
Technical Data

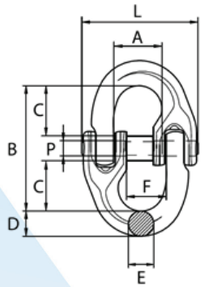
Chain Dia (mm)	Working Load Limit (tonnes)	Manufacturing Proof Force (kN)	Breaking Force (kN min)	Weight (kgs/mtr)
7	1.50	38.5	61.6	1.17
8	2.00	50.3	80.4	1.51
10	3.15	78.5	126	2.23
13	5.30	133	212	3.9
16	8.00	201	322	5.79
20	12.50	314	503	9.21
22	15.00	380	608	11.2
26	21.2	531	849	15.2
32	31.5	804	1290	23

George Taylor & Company
Lifting Gear (Midlands) Ltd

GRADE 8 COMPONENT CONNECTORS

- Conforms to BS-EN 1677-1.
- Suitable for use with Grade 8 Chains.
- Painted finish.
- Alloy steel, quenched and tempered.
- Designed for easy attaching of hooks and master links to other Grade 8 Chains and fittings.
- Marked with manufacturers identification and material grade.
- Spare centre pins and bushes available.





Dimensions

Chain Dia (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	P x L (mm)
6	18	45	18	7.8	7.6	14	4.8 x 38.5
7	19	51	20	10	9	16	6 x 46.5
8	23	62	25	11.5	10	18	6.3 x 53
10	27	72	30	12.6	12.6	23	8 x 63.5
13	34	88	36	19	16.7	27	10 x 79
16	39	103	40	21	21	33	14 x 106
20	47	116	48	23	23	44	14 x 108
22	55	133	51	26.5	26.5	49	16 x 134
26	66	148	60	31.5	31.5	60	-
32	79	183	69	37	37	67	-

Technical Data

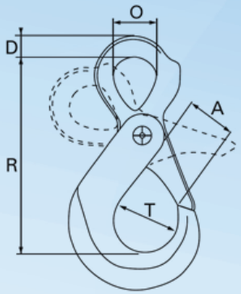
Chain Dia (mm)	Working Load Limit (tonnes)	Manufacturing Proof Force (kN)	Breaking Force (kN min)	Weight (kgs/each)
6	1.12	28.3	45.2	0.07
7	1.5	38.5	61.6	0.10
8	2	50.3	80.4	0.25
10	3.15	78.5	126	0.35
13	5.3	133	212	0.68
16	8	201	322	1.10
20	12.5	314	503	1.70
22	15	380	608	2.20
26	21.2			4.20
32	31.5			7.19

RIGGING SERVICES & ACCESSORIES

George Taylor & Company
Lifting Gear (Midlands) Ltd

GRADE 8 EYE TYPE SELF LOCKING HOOKS (COMPACT)

- Conforms to BS-EN 1677-3.
- Suitable for use with Grade 8 Chains and on wire / fibre rope slings.
- Painted finish.
- Alloy steel, quenched and tempered.
- Marked with manufacturers identification and material grade.
- Spare locking system trigger kit available.
- Special compact sizes.



Dimensions

Chain Dia (mm)	A (mm)	D (mm)	O (mm)	R (mm)	T (mm)
7/8	27	10	26	112	36
10	38	13	33	151	46
13	46	16	42	185	60
16	57	18	52	230	75

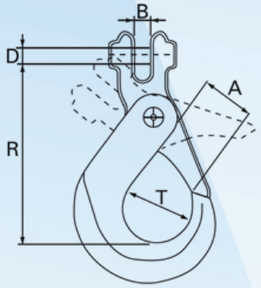
Technical Data

Chain Dia (mm)	Working Load Limit (tonnes)	Manufacturing Proof Force (kN)	Breaking Force (kN min)	Weight (kgs/mtr)
7/8	2	50.3	80.4	0.55
10	3.15	78.5	126	1.12
13	5.3	133	212	2.22
16	8	201	322	4.00

George Taylor & Company
Lifting Gear (Midlands) Ltd

GRADE 8 CLEVIS SELF LOCKING HOOKS (COMPACT)

- Conforms to BS-EN 1677-3.
- Suitable for use with Grade 8 Chains.
- Painted finish.
- Alloy steel, quenched and tempered.
- Clevis fitting enables direct connection to chain.
- Marked with manufacturers identification and material grade.
- Spare locking system trigger kit available.
- Spare Clevis load and retaining pins available.
- Special compact sizes.



Dimensions

Chain Dia (mm)	A (mm)	B (mm)	D (mm)	R (mm)	T (mm)
7/8	27.5	9	9	95	36
10	38	12	13	125	46
13	46	15	16	157	60
16	57	19	21	189	75

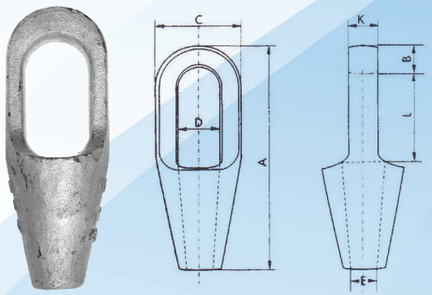
Technical Data

Chain Dia (mm)	Working Load Limit (tonnes)	Proof Force (kN)	Breaking Force (kN min)	Weight (kgs/each)
7/8	2	50.3	80.4	0.54
10	3.15	78.5	126	1.17
13	5.3	133	212	2.30
16	8	201	322	4.10

RIGGING SERVICES & ACCESSORIES

George Taylor & Company
Lifting Gear (Midlands) Ltd

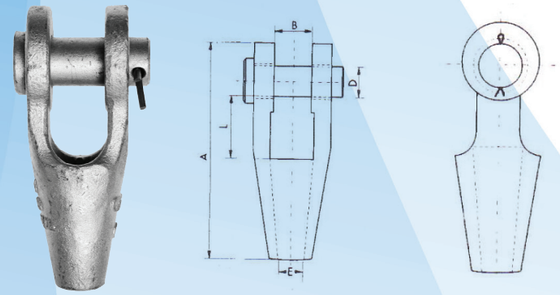
CLOSED SPELTER SOCKETS



Working Load Limit	Dia wire rope	Overall length	Overall width	Inside bow width	Inside bow length		Thickness bow	Opening	Approx. weight per piece
		A	C	D	L	B	K	E	
tonnes	mm	mm	mm	mm	mm	mm	mm	mm	kg
6	20-22	225	92	47	90	33	38	24	3.7
10	23-26	254	105	57	99	36	45	28	5.7
14	28	282	114	63	116	39	51	32	7.5
17.5	32-35	318	127	72	130	43	58	38	9.8
20	38	358	139	77	144	53	70	41	13
28	40	390	147	82	169	52	70	44	17
40	44-48	454	171	89	198	55	76	51	26
45	52-54	522	194	96	224	62	82	57	37
60	56-60	548	218	109	247	73	94	63	52.5
75	64-67	598	241	142	275	80	104	73	65
80	70-73	648	273	159	286	80	124	79	94
90	76-79	692	291	172	310	80	134	86	110

George Taylor & Company
Lifting Gear (Midlands) Ltd

OPEN SPELTER SOCKETS



Working load limit	Dia wire rope	Overall length	Inside width	Pin dia	Inside length	Opening	Approx. weight per piece
		A	B	D	L	E	
tonnes	mm	mm	mm	mm	mm	mm	kg
6.3	20-22	235	51	41	69	24	4.7
10	23-26	275	57	51	71	28	8
14	27-30	307	59	57	88	32	11
17	31-36	339	63	63	97	38	16
20	37-39	409	76	70	132	41	23
28	40-42	416	76	76	128	44	28
40	43-48	468	89	89	134	51	42
45	49-54	552	103	95	181	57	60
60	55-60	603	112	108	203	63	88
75	61-68	653	127	121	213	73	122
80	69-75	696	133	127	218	79	160
90	76-80	740	145	134	225	86	180

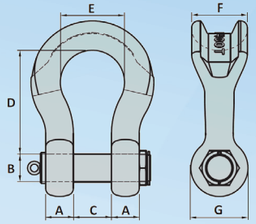
RIGGING SERVICES & ACCESSORIES

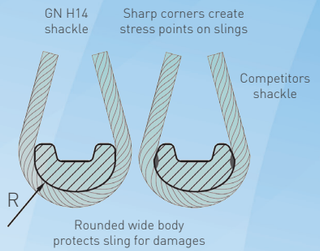
GN ROPE FITTINGS

FORGED ROPE SHACKLE TYPE H14

SLING PROTECTOR (WIDE BODY)

- Material : Alloy steel quenched and tempered
- Safety factor : Up and including 1500 ton 5 times Above 1500 ton 4 times
- Finish : Painted
- Certificates on request : Material certificate, 3.1 Manufacturer certificate, Proof load certificate, NDT inspection certificate, Classification inspection certificate (DNV, Lloyds, ABS, BV etc.)



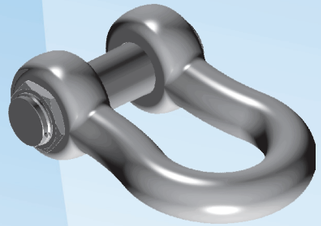


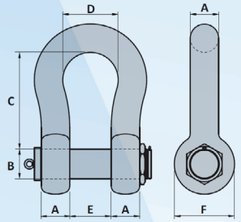
Art No.	W.L.L ton	A mm	B mm	C mm	D mm	E mm	F mm	G mm	R mm	Weight kg
36000025	30	35	44	65	180	128	80	90	45	14
36000040	40	45	51	80	200	140	97	109	53	21
36000055	55	65	56	90	250	160	115	116	55	33
36000075	75	75	70	105	300	185	120	150	60	53
36000125	125	85	80	130	370	220	150	165	80	84
36000150	150	90	95	140	400	250	170	200	90	115
36000200	200	105	105	150	480	275	205	225	110	183
36000250	250	120	120	170	550	300	240	240	125	255
36000300	300	140	134	185	600	350	265	280	140	368
36000400	400	160	160	220	620	370	320	330	170	571
36000500	500	170	180	250	680	450	340	350	180	719
36000600	600	180	200	275	720	490	370	405	190	960
36000700	700	210	215	320	780	540	400	465	215	1250
36000800	800	220	230	320	800	555	420	465	220	1400
36000900	900	238	250	350	850	585	440	480	235	2100
360001000	1000	238	270	380	850	615	460	530	240	2200
360001250	1250	278	300	440	960	645	530	570	285	2800
360001500	1500	278	320	460	980	680	580	610	290	3300
360001750	1750	310	360	480	1020	700	600	660	310	4700
360002000	2000	320	385	500	1060	720	620	680	320	4800

GN ROPE FITTINGS

BOW SAFETY PIN SHACKLE-TYPE H10 SUPER

- Material : Forged alloy steel quenched and tempered
- Safety factor : 5 times
- Finish : Galvanised up to 120 ton
  Painted above 120 ton
- Certificates on request : Material certificate, 3.1 Manufacturer certificate, Proof load certificate, NDT inspection certificate, Classification inspection certificate (DNV, Lloyds, ABS, BV etc.)





Art. No.	W.L.L ton	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg
38000300	30	38	42	146	99	60	88	9
38000400	40	45	50	178	126	74	103	15
38000550	55	57	57	197	138	83	117	22
38000850	85	70	70	260	180	105	143	42
37001109	120	83	83	329	190	127	162	70
37001409	150	90	95	380	240	135	190	110
37001759	175	102	108	400	250	140	230	150
37002008	200	120	121	500	290	180	260	225
37002508	250	125	127	520	325	220	260	300
37003008	300	135	152	500	330	220	305	352
37004008	400	170	178	572	330	210	356	500

Tolerance: Inside length ± 7.5%, all other forged parts ± 5%, machined parts ± 1 mm

FIBER ROPES

D|S|R

NYLON ROPE

Nylon Rope has twice the strength of Manila rope. It has high elongation (under load) when compared to other synthetic ropes. Nylon has high energy absorption under shock and good abrasion resistance. When combined, these characteristics makes nylon rope the best in handling compared to other synthetics. It's utilized extensively in marine use such as mooring lines, towing slings, commercial fishing, utility rope, leisure boat, sailing etc.

Nylon 3-Strand Rope

Dia.		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FT	Kg	kN
4	5/32	1-2	1.05	0.71	4.23	360	3.53
5	3/16	5/8	1.56	1.05	6.29	570	5.60
6	1/4	3/4	2.25	1.51	9.07	760	7.46
7	9/32	7/8	3.1	2.08	12.50	1,050	10.30
8	5/16	1	4.0	2.69	16.13	1,390	13.65
9	3/8	1-1/8	5.0	3.36	20.16	1,750	17.20
10	13/32	1-1/4	6.2	4.17	25.00	2,130	20.90
11	7/16	1-3/8	7.5	5.04	30.24	2,600	25.50
12	15/32	1-1/2	8.9	5.98	35.88	3,040	29.80
13	1/2	1-5/8	10.5	7.06	42.33	3,570	35.00
14	9/16	1-3/4	12.2	8.20	49.19	4,180	41.00
16	5/8	2	15.8	10.62	63.70	5,380	52.80
18	23/32	2-1/4	20.0	13.44	80.64	6,880	67.50
19	3/4	2-3/8	22.1	14.85	89.10	7,650	75.10
20	13/16	2-1/2	24.5	16.46	98.78	8,450	82.90
22	7/8	2-3/4	30.0	20.16	120.96	10,400	102.00
24	15/16	3	35.5	23.86	143.13	12,300	120.70
25	1	3-1/8	38.8	26.07	156.44	13,400	131.50
26	1-1/32	3-1/4	42.0	28.22	169.34	14,500	142.20
28	1-1/8	3-1/2	48.5	32.59	195.54	16,200	159.00
30	1-3/16	3-3/4	55.5	37.29	223.77	18,300	179.50
32	1-1/4	4	63.0	42.33	254.01	20,600	202.00
34	1-11/32	4-1/4	71.4	47.95	287.87	23,200	227.50
36	1-7/16	4-1/2	80.0	53.76	322.55	25,700	252.10
38	1-1/2	4-3/4	89.3	60.01	360.04	28,200	276.60
40	1-19/32	5	99.0	66.53	399.15	31,000	304.10
42	1-21/32	5-1/4	109.0	73.25	439.47	33,800	331.60
44	1-3/4	5-1/2	120.0	80.64	483.82	37,000	363.00
45	1-13/16	5-5/8	124.8	83.86	503.17	37,800	370.80
48	1-7/8	6	142.0	95.42	572.52	43,000	421.80
50	2	6-1/4	153.5	103.15	618.89	46,300	454.20
52	2-1/16	6-1/2	166.0	111.55	669.28	50,000	490.50
55	2-5/32	6-7/8	186.2	125.12	750.73	55,000	539.50
56	2-1/4	7	193.0	129.69	778.14	57,000	559.20
60	2-3/8	7-1/2	221.0	148.51	891.04	64,500	632.70
64	2-1/2	8	252.0	169.34	1,016.02	73,000	716.10
65	2-9/16	8-1/16	260.0	174.71	1,048.28	75,000	735.70
70	2-3/4	8-11/16	302.0	202.94	1,217.61	86,000	843.60
72	2-7/8	9	319.0	214.36	1,286.16	91,000	892.70
75	3	9-1/4	346.0	232.50	1,395.01	98,700	968.20
80	3-5/32	10	394.0	264.76	1,588.54	111,500	1,093.80
85	3-3/8	10-1/2	445.0	299.03	1,794.17	126,000	1,236.00
88	3-7/16	11	477.0	320.53	1,923.19	135,000	1,324.30
90	3-9/16	11-1/8	499.0	335.31	2,011.89	139,000	1,363.60
95	3-3/4	11-3/4	556.0	373.62	2,241.70	154,000	1,510.70
96	3-13/16	12	568.0	381.68	2,290.08	158,000	1,550.00
100	3-15/16	12-3/8	616.0	413.94	2,483.61	170,000	1,667.70

Manufactured and tested according to ISO and BSEN standard
Warning: The minimum breaking strength should never be considered as the safe working load of the rope

D|S|R

Nylon 8-Strand Rope

- Fiber Content: Nylon fiber
- Specific gravity: 1.14
- Melting Point: 220°
- Elongation at break: 45%
- Water absorption: 2~5%

Dia.		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FT	Kg	kN
24	15/16	3	35.5	23.9	143.1	13,400	131.4
28	1-1/8	3-1/2	48.5	32.6	195.5	17,800	174.6
32	1-1/4	4	63.0	42.3	254.0	22,500	220.7
36	1-7/16	4-1/2	80.0	53.8	322.5	28,200	276.6
40	1-9/16	5	99.0	66.5	399.2	34,000	333.5
44	1-3/4	5-1/2	120.0	80.6	483.8	40,500	397.3
45	1-25/32	5-5/8	124.8	83.9	503.2	42,100	413.0
48	1-7/8	6	142.0	95.4	572.5	47,500	466.0
50	2	6-1/4	153.5	103.1	618.9	51,300	503.2
52	2-1/16	6-1/2	166.0	111.5	669.3	55,000	539.5
55	2-5/32	6-7/8	186.2	125.1	750.7	61,000	598.4
56	2-1/4	7	193.0	129.7	778.1	62,500	613.1
60	2-3/8	7-1/2	221.0	148.5	891.0	70,500	691.6
64	2-1/2	8	252.0	169.3	1,016.0	80,000	784.8
65	2-9/16	8-1/16	260.0	174.7	1,048.3	82,000	804.4
68	2-11/16	8-1/2	285.0	191.5	1,149.1	90,000	882.9
70	2-3/4	8-11/16	302.0	202.9	1,217.6	95,000	931.9
72	2-7/8	9	319.0	214.4	1,286.2	100,000	981.0
75	3	9-1/4	346.0	232.5	1,395.0	108,000	1,059.4
80	3-5/32	10	394.0	264.8	1,588.5	123,000	1,206.6
85	3-3/8	10-1/2	445.0	299.0	1,794.2	138,000	1,353.7
88	3-7/16	11	477.0	320.5	1,923.2	145,000	1,422.4
90	3-9/16	11-1/8	499.0	335.3	2,011.9	151,000	1,481.3
95	3-3/4	11-3/4	556.0	373.6	2,241.7	168,000	1,648.0
96	3-13/16	12	568.0	381.7	2,290.1	170,000	1,667.6
100	3-15/16	12-3/8	616.0	413.9	2,483.6	184,000	1,805.0
104	4-1/8	13	666.0	447.5	2,685.2	200,000	1,961.9
112	4-7/16	14	772.0	518.8	3,112.6	210,000	2,060.0
120	4-3/4	15	887.0	596.0	3,576.2	255,000	2,501.5

D|S|R

D-FLEX MIX ROPE

Polypropylene + Polyester

D-FLEX retains superior breaking strength originated from technically reinforced composition of high tenacity polypropylene and polyester.

This ideal composition and construction creates extremely low elongation which offers stability and safety when the rope is overloaded and makes the rope sustain its properties even after a long period under sea level.

D-Flex 8-Strand Rope

Dia.		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Kg	kN
24	15/16	3	33.5	22.5	135.1	12500	122.6
28	1-1/8	3-1/2	46.0	30.9	185.5	16600	162.8
32	1-1/4	4	59.5	40.0	239.9	21300	208.9
36	1-7/16	4-1/2	74.2	49.9	299.2	26500	260.0
40	1-916	5	91.5	61.5	368.9	32000	313.9
44	1-3/4	5-1/2	109.0	73.2	439.5	38000	372.8
45	1-25/32	5-5/8	114.0	76.6	459.6	40000	392.4
48	1-7/8	6	132.0	88.7	532.2	44000	431.6
50	2	6-1/4	143.0	96.1	576.6	48000	470.9
52	2-1/16	6-1/2	150.0	100.8	604.8	51000	500.3
55	2-5/32	6-7/8	172.5	115.9	695.5	57000	559.2
56	2-1/4	7	179.0	120.3	721.7	59000	578.8
60	2-3/8	7-1/2	200.5	134.7	808.4	67000	657.2
64	2-1/2	8	226.0	151.9	911.2	75000	735.7
65	2-9/16	8-1/16	233.0	156.6	939.4	77000	755.3
68	2-11/16	8-1/2	254.0	170.7	1024.1	84000	824.0
70	2-3/4	8-11/16	269.0	180.8	1084.6	89000	873.1
72	2-7/8	9	284.0	190.8	1145.0	94000	922.1
75	3	9-1/4	308.0	207.0	1241.8	102000	1000.6
80	3-5/32	10	349.0	234.5	1047.1	114000	1118.3
85	3-3/8	10-1/2	394.0	264.8	1588.5	129000	1265.5
88	3-7/16	11	420.0	282.2	1693.4	138000	1353.7
90	3-9/16	11-1/8	439.5	295.3	1772.0	144000	1412.6
95	3-3/4	11-3/4	490.0	329.3	1975.6	161000	1579.4
96	3-13/16	12	500.0	336.0	2015.9	163000	1599.0
100	3-15/16	12-3/8	539.0	362.2	2173.2	177000	1736.3
104	4-1/8	13	586.0	393.8	2362.7	192000	1883.5
112	4-7/16	14	674.0	452.9	2717.5	221000	2167.9
120	4-3/4	15	774.0	520.1	3120.6	253000	2481.9

Manufactured and tested according to ISO and BSEN standard
Warning: The minimum breaking strength should never be considered as the safe working load of the rope

Benefits & Features

- Confirming to OCIMF guidelines
- Well UV stabilized
- Excellent abrasion resistance
- Wet strength equal to dry strength (not absorb water)
- Floating on water
- Elongation at break: 20-22%

Applications

- Mooring
- Towing
- Anchoring lines

D|S|R

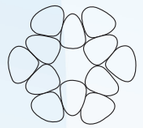
SUPERMAX DYNEEMA ROPE

SuperMax is the latest development of ultra high molecular weight polyethylene (UHMWPE) fiber braided rope utilizing DSR's own rope design and manufacturing know-hows. SuperMax has the strongest tensile strength per weight. SuperMax is stronger than the wire rope of same diameter and it weighs 1/8 of wire rope. SuperMax is treated with DSR's unique coating process and special heat treatment process to enhance its anti abrasion characteristics.

SuperMax 12-Strand Rope

Dia.		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Ton	kN
6	1/4	3/4	2.3	1.55	9.30	4.2	41.2
8	5/6	1	3.9	2.62	15.72	6.7	65.7
10	13/32	1-1/8	5.9	3.96	23.76	10.8	105.9
12	15/32	1-1/2	9.5	6.38	38.28	16.5	161.9
14	9/16	1-3/4	12.8	8.60	51.60	22.0	215.8
16	5/8	2	16.0	10.75	64.50	27.5	269.8
18	23/32	2-1/4	20.8	13.98	83.88	35.0	343.3
20	13/16	2-1/2	25.5	17.14	102.84	41.5	407.1
22	7/8	2-3/4	30.5	20.50	123.00	50.0	490.5
24	15/16	3	35.8	24.06	144.36	58.0	569.0
26	1-1/32	3-1/4	41.0	27.55	165.30	66.0	647.4
28	1-1/8	3-1/2	46.5	31.25	187.50	74.0	725.9
30	1-3/16	3-3/4	52.0	34.94	209.64	81.5	799.5
32	1-1/4	4	57.0	39.30	235.80	88.5	868.2
34	1-11/32	4-1/4	62.5	42.00	252.00	96.0	841.7
36	1-7/16	4-1/2	68.0	45.69	274.14	104.0	1020.2
38	1-1/2	4-3/4	74.0	49.73	298.38	112.0	1098.7
40	1-19/32	5	84.0	56.45	338.70	127.0	1245.8
42	1-21/32	5-1/4	93.0	62.49	374.94	140.0	1373.4
44	1-3/4	5-1/2	102.0	68.54	411.24	152.0	1491.1
46	1-13/16	5-5/8	111.0	74.59	447.54	165.0	1618.6
48	1-7/8	6	121.0	81.31	487.86	179.0	1755.9
50	2	6-1/4	131.0	88.03	528.18	193.0	1893.3
52	2-1/16	6-1/2	141.0	94.75	568.50	206.0	2020.8
56	2-1/4	7	163.0	109.53	657.18	236.0	2315.1
60	2-3/8	7-1/2	175.0	117.59	705.54	252.0	2472.0
64	2-1/2	8	200.0	134.39	806.34	282.0	2766.3
68	2-11/16	8-1/2	226.0	151.86	911.16	316.0	3099.9
72	2-7/8	9	254.0	170.68	1024.08	348.0	3413.8
80	3-5/32	10	313.0	210.32	1261.92	422.0	4139.7
88	3-7/16	11	379.0	171.68	1030.08	503.0	4934.3
96	3-13/16	12	451.0	303.05	1818.30	588.0	5768.1

Manufactured and tested according to ISO and BSEN standard
Warning: The minimum breaking strength should never be considered as the safe working load of the rope



- Melting Point: 150°C
- Specific Gravity: 0.97(Float)
- Elongation at break: 4~5%
- Water Absorption: None
- UV resistance: Good

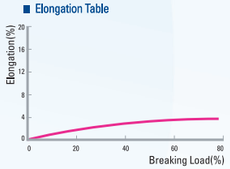
Characteristics

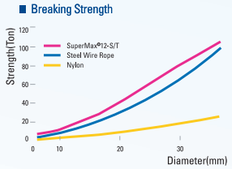
- Maximum strength to weight ratio, and strength comparable to steel wire rope
- Lowest elongation
- Longer life, and easy handling
- Superior abrasion resistance
- Non-kinking and non-rotational
- Easy to splice

Applications

- Mooring Lines • Anchor Lines • Lifting Sling & Nets
- Towing Rope • Heaving Rope • Tug Rope

Maximum strength to weight ratio and strength comparable to steel wire rope





D|S|R

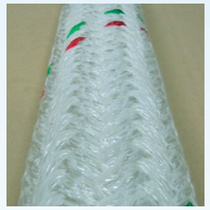
SUPERMAX DYNEEMA PLUS ROPE

SuperMax Plus Rope consists of SuperMax (UHMWPE) braided rope core inside and Polyester fiber braided jacket. This combination offers the property of non-rotating and anti-kinking while maintaining higher strength than normal 12 S/T braided rope. Braided jacket providing superior abrasion resistance makes the rope round shape and protects the core from foreign matter.

SuperMax 12-Strand Rope

Dia.		Circ.	Weight			Breaking Strength	
mm	Inch	Inch	KGS/100M	LBS/100FT	LBS/100FM	Ton	kN
26	1-1/32	3-1/4	43.50	29.23	175.4	54	530.3
28	1-1/8	3-1/2	50.00	33.60	201.6	63	618.6
30	1-3/16	3-3/4	54.20	36.42	218.5	68	667.7
32	1-1/4	4	64.00	43.01	258.0	74	726.6
34	1-11/32	4-1/4	71.80	48.25	289.5	84	824.8
36	1-7/16	4-1/2	78.90	53.02	318.1	93	913.2
38	1-1/2	4-3/4	86.10	57.86	347.1	102	1,002
40	1-19/32	5	94.80	63.70	382.2	114	1,119
42	1-21/32	5-1/4	104.6	70.29	421.7	127	1,247
44	1-3/4	5-1/2	111.0	74.60	447.5	135	1,326
48	1-7/8	6	137.0	92.06	552.3	165	1,620
52	2-1/16	6-1/2	160.0	107.5	645.1	195	1,915
56	2-1/4	7	183.0	123.0	737.8	230	2,258
60	2-3/8	7-1/2	205.0	137.8	826.5	263	2,583
64	2-1/2	8	236.0	158.6	951.5	308	3,024
68	2-11/16	8-1/2	264.0	177.4	1,064	345	3,388
72	2-7/8	9	295.0	198.2	1,189	380	3,731
76	3	9-3/8	331.0	222.4	1,335	429	4,213
80	3-5/32	10	359.0	241.2	1,447	458	4,497
88	3-7/16	11	421.0	282.9	1,697	540	5,303
96	3-13/16	12	511.0	343.4	2,060	626	6,147
104	4-1/8	13	598.0	401.8	2,411	745	7,316
112	4-7/16	14	694.0	466.3	2,798	833	8,180
120	4-3/4	15	786.0	528.2	3,169	955	9,378

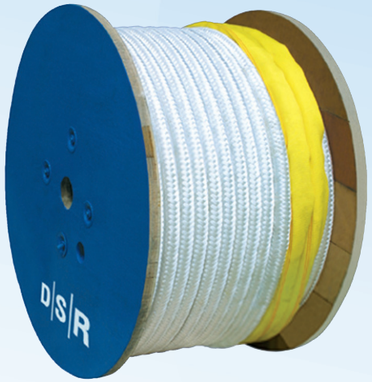
Manufactured and tested according to ISO and BSEN standard
Warning: The minimum breaking strength should never be considered as the safe working load of the rope



- Material: Inside - UHMWPE Outside - Polyester fiber
- Melting Point: 150°C/265°C
- Elongation at break: 4~5%
- Abrasion resistance: Very Good
- UV resistance: Good

Applications
- Mooring Lines
- Anchor Lines
- Towing Rope
- Tug Rope

Characteristics
- High Strength
- Lowest elongation
- Dry & Wet conditions: Wet strength equals dry strength
- Non-rotating and anti-kinking
- Longer life and easy handling



Axiom Cordages Limited

POLYPROPYLENE ROPE

Product Description
Dan-strong Ropes combine a higher breaking strength, dimensional stability and economical price. It has been produced keeping in mind its various applications in fishing, shipping, used as mooring ropes and heavy industrial handling. To add further strength 4-strand ropes are made. While 8-strand ropes are mainly used for mooring applications in shipping and other heavy load applications. 3 &4 strand ropes are used for Air sea rescues lines, Blasting Mats, Buoy line, Car tow ropes, Crap rope, Ducting draw cords, Foot ropes, Ladder ropes, General Industrial & marine use, Head lines, Mooring line etc. While 8 & 12 strand ropes are used for Shipping industry, Heavy industries (material handling), Ship Mooring Line, Deep Sea Towing, Target Tow Ropes, Oceanographic Mooring, Harbour Towing, Supply Vessel, Supply Mooring Systems, Lifting Slings etc.

Technical Specifications
- Strength: wet/dry 100%
- Shock absorption: Very Good
- Specific Gravity: 0.91
- Floats/sinks: Floats
- Elongation: Moderate
- Water absorption: None
- Abrasion Resistance: Good
- Melting Point: 1650C
- Chemical Resistant
- Acids: Excellent
- Alkalis: Excellent
- Oil/Gas: Very Good
- Elongation: 22% at break

Characteristics
- Higher breaking strength
- Abrasion resistance
- Excellent shock absorption
- Better grip
- Minimal elongation
- Durable and ultraviolet stabilized
- Excellent shape retention
- Fully balanced and torque free

Axiom Cordages Limited

SUPER FLEX MIX ROPE

Polypropylene + Polyester

Benefits

- We strength equal to dry strength
- High strength weight ratio for ease of handling
- Excellent abrasion resistance against internal & external friction
- Exceptional resistance to frictional heat damage
- Manufactured in accordance with OCIMF guidelines
- TCLL value of 73%. TCLL is the actual breaking load of a wet rope after 1000 cyclical loadings. This is expressed as a percentage of the original wet breaking strength.
- Excellent shock - load absorption, yielding low snapback at break
- Specific gravity 1.1 i.e. neutrally buoyant
- Remains flexible & easy to splice in use
- Does not absorb water
- Fully U.V. stabilised
- Excellent chemical resistance, except in the presence of alkalis

Material

- High tenacity polypropylene & polyester composite fibers.

Applications

- Towing stretchers.
- Single Point moorings.
- Mooring lines
- Mooring Jaws

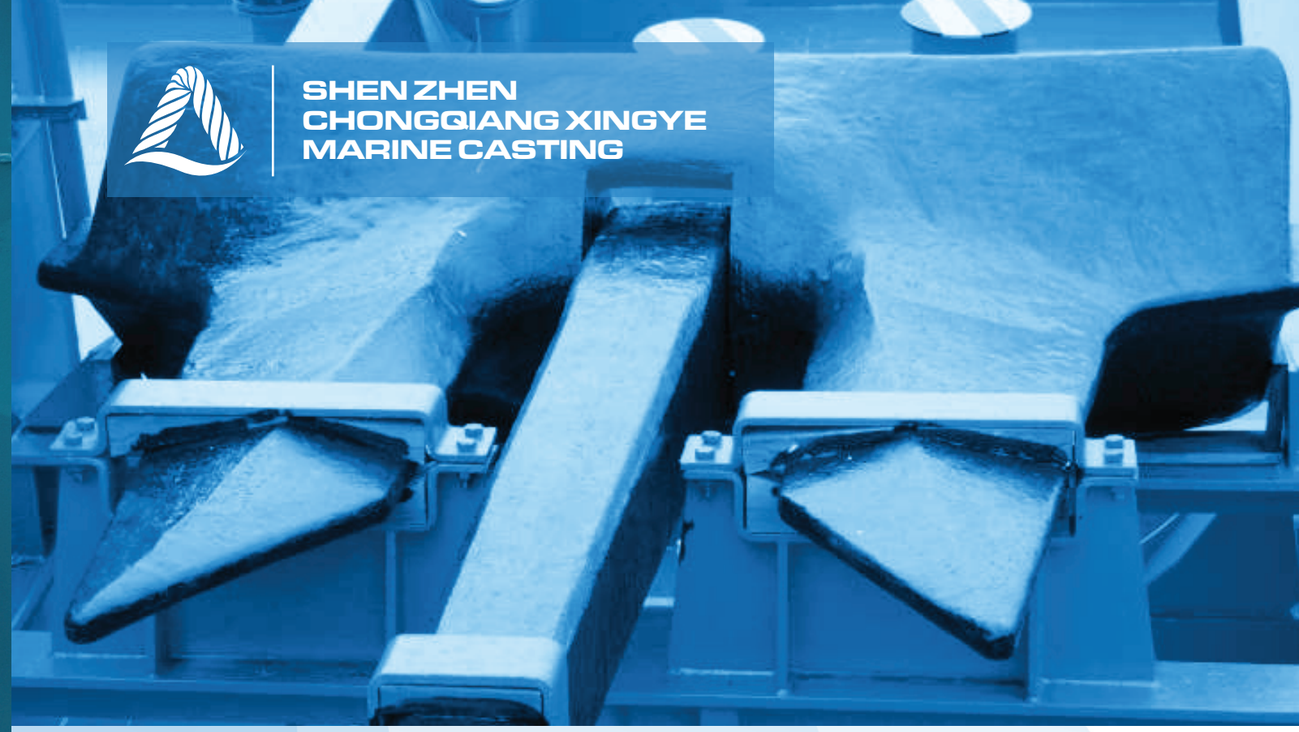
Axiom Cordages Limited

FIBER ROPES

SUPER FLEX 8 - STRAND

Dia (mm)	Dia Inch	Cir. Inch	Wt. Per 220 Mtrs. in Kgs.	Wt. Per 200 Mtrs. in Kgs.	Wt. Per 220 Mtrs. in Lbs.	Wt. Per 200 Mtrs. in Lbs.	Mtr/Kg	Feet/Kg	MBL			Maximum Lenght-Mtr
									Kgf	Lbs	KN	
36	1-7/16	4-1/2"	132.00	120.00	290.40	264.00	1.67	5.47	24800	54560	243	1100
40	1-5/8	5"	192.50	175.00	423.50	385.00	1.14	3.75	34200	75240	335	950
44	1-3/4	5-1/2"	228.80	208.00	503.36	457.60	0.96	3.15	40800	89760	400	800
48	1-15/16"	6"	264.00	240.00	580.80	528.00	0.83	2.73	47400	104280	465	450
52	2-1/16	6.5	310.20	282.00	682.44	620.40	0.71	2.33	55500	122100	544	375
56	2-1/4	7	345.40	314.00	759.88	690.80	0.64	2.09	63200	139040	620	350
60	2-3/8	7.5	402.60	366.00	885.72	805.20	0.55	1.79	72400	159280	710	300
64	2-1/2	8	453.20	412.00	997.04	906.40	0.49	1.59	81600	179520	800	250
68	2-15/16	8.5	510.40	464.00	1122.88	1020.80	0.43	1.41	91800	201960	900	400
72	2-7/8	9	567.60	516.00	1248.72	1135.20	0.39	1.27	102000	224400	1000	350
76	3	9.5	622.60	566.00	1369.72	1245.20	0.35	1.16	112000	246400	1098	350
80	3-1/4	10	701.80	638.00	1543.96	1403.60	0.31	1.03	125000	275000	1225	300
88	3-15/16	11	836.00	760.00	1839.20	1672.00	0.26	0.86	148000	325600	1451	250
96	3-3/4	12	983.40	894.00	2163.48	1966.80	0.22	0.73	174000	382800	1706	240
104	4-1/2	13	1155.00	1050.00	2541.00	2310.00	0.19	0.62	198300	436260	1944	220
112	1-7/8	14	1254.00	-	2758.80	-	0.18	0.58	230800	507760	2263	180
120	5	15	1120.00	-	2464	-	0.20	0.64	263000	578600	2578.43	160

*112 MM available only in 180 mtr, Lenght *120MM available only in 160 mtr Length.

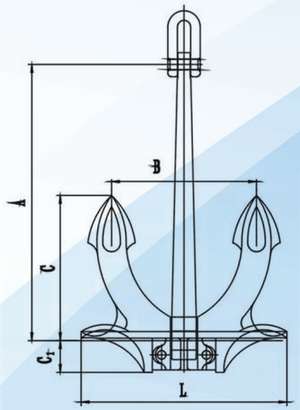


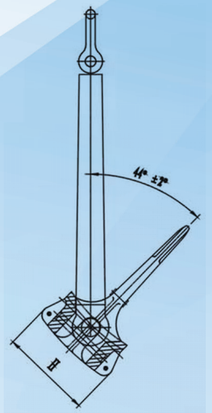
SHEN ZHEN
CHONGQIANG XINGYE
MARINE CASTING

ANCHORS

SHEN ZHEN
CHONGQIANG XINGYE
MARINE CASTING

HALL TYPE ANCHOR



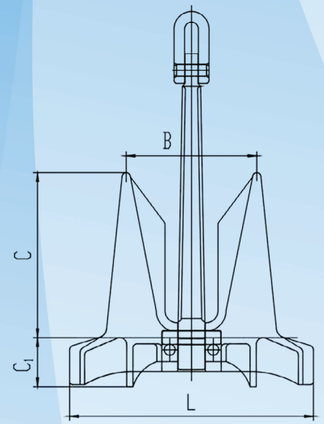


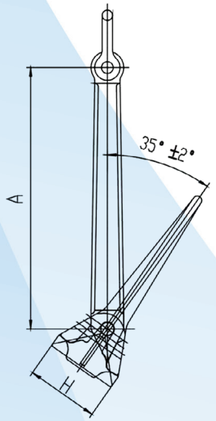
Nominal Weight Kg	A			B	C	C_1	L	H
	A	B	C					
40	557	557	430	303	303	67	430	198
60	637	637	492	347	347	76	492	227
100	760	760	590	410	410	90	582	270
125	814	814	629	443	443	97	629	290
150	866	866	665	470	470	103	670	308
180	919	919	710	500	500	110	710	327
240	1019	1019	788	552	552	121	784	361
300	1095	1095	850	595	595	130	844	388
360	1160	1160	898	630	630	138	898	412
420	1222	1222	946	660	660	145	946	434
480	1282	1282	986	690	690	152	988	454
570	1356	1356	1042	732	732	161	1042	481
660	1422	1422	1093	769	769	169	1096	506
780	1506	1506	1159	813	813	178	1160	535
900	1580	1580	1215	855	855	188	1220	560
1020	1645	1645	1268	891	891	195	1268	584
1140	1705	1705	1316	926	926	203	1319	605
1290	1778	1778	1378	965	965	211	1374	630
1440	1844	1844	1448	1001	1001	219	1430	655
1590	1906	1906	1511	1035	1035	226	1475	677
1740	1966	1966	1571	1068	1068	234	1517	698
1920	2031	2031	1602	1104	1104	241	1568	722
2100	2093	2093	1651	1136	1136	249	1614	743
2280	2150	2150	1716	1165	1165	255	1657	763
2460	2207	2207	1785	1194	1194	262	1700	784
2640	2259	2259	1843	1221	1221	268	1741	801
2850	2318	2318	1890	1253	1253	275	1787	822
3060	2374	2374	1935	1283	1283	282	1832	841
3300	2432	2432	1985	1317	1317	288	1880	862
3540	2490	2490	2032	1349	1349	295	1926	883

Nominal Weight Kg	A			B	C	C_1	L	H
	A	B	C					
3780	2547	2547	2077	1376	1376	302	1965	902
4050	2610	2610	2125	1406	1406	309	2008	924
4320	2661	2661	2171	1435	1435	316	2051	943
4590	2712	2712	2216	1465	1465	322	2093	962
4890	2769	2769	2263	1498	1498	329	2135	984
5250	2836	2836	2317	1535	1535	337	2185	1008
5610	2899	2899	2369	1569	1569	345	2234	1031
6000	2965	2965	2422	1605	1605	352	2284	1054
6450	3037	-	2482	1644	1644	361	2340	1080
6900	3100	-	2538	1681	1681	369	2393	1105
7350	3173	-	2592	1717	1717	377	2444	1129
7800	3235	-	2644	1752	1752	385	2493	1152
8300	3303	-	2699	1788	1788	393	2545	1176
8700	3355	-	2742	1816	1816	399	2585	1195
9300	3430	-	2804	1857	1857	408	2643	1222
9900	3502	-	2863	1896	1896	417	2699	1248
10500	3571	-	2920	1934	1934	425	2752	1273
11100	3638	-	2975	1970	1970	433	2803	1297
11700	3702	-	3028	2005	2005	441	2853	1320
12300	3764	-	3079	2039	2039	448	2901	1342
12900	3824	-	3128	2072	2072	455	2947	1363
13500	3882	-	3176	2104	2104	462	2992	1384
14100	3939	-	3222	2135	2135	469	3036	1404
14700	3994	-	3267	2165	2165	476	3078	1424
15400	4056	-	3318	2199	2199	483	3126	1446
16100	4117	-	3368	2232	2232	490	3173	1468
16900	4184	-	3423	2268	2268	498	3225	1492
17800	4252	-	3479	2308	2308	506	3281	1518
18800	4330	-	3543	2350	2350	516	3341	1546
20000	4420	-	3617	2399	2399	526	3411	1578

SHEN ZHEN
CHONGQIANG XINGYE
MARINE CASTING

AC-14 HHP ANCHOR





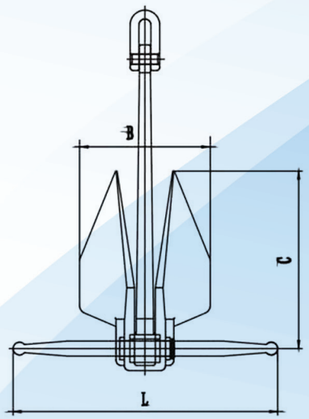
Nominal Weight Kg	A	L	H	C	C_1	B
30	491	440	136	299	85	236
45	590	529	164	359	107	283
75	677	605	188	411	122	324
94	718	643	199	437	130	344
112.5	745	666	207	452	135	357
135	821	737	228	500	143	394
180	904	811	251	550	157	434
225	974	874	270	593	169	468
270	1035	929	287	630	180	497
315	1090	978	302	663	189	524
360	1139	1022	316	694	198	547
427.5	1194	1071	331	727	206	574
495	1251	1122	347	762	216	602
585	1360	1221	378	828	236	654
675	1398	1254	387	851	242	672
765	1483	1304	404	885	264	698
855	1520	1363	423	925	267	729
967.5	1590	1425	440	968	275	764
1080	1631	1462	451	993	282	784
1192.5	1660	1490	465	1011	287	798
1305	1761	1580	488	1072	305	846
1440	1795	1610	497	1093	311	862

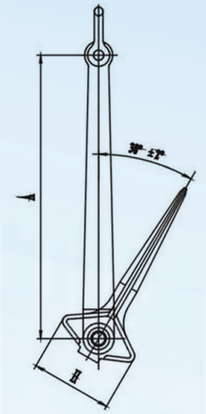
Nominal Weight Kg	A	L	H	C	C_1	B
1575	1855	1665	514	1130	321	892
1710	1900	1705	526	1157	329	913
1845	1940	1741	538	1182	336	933
1980	1977	1774	548	1203	342	950
2137.5	2016	1809	559	1227	349	969
2295	2089	1874	579	1272	362	1004
2475	2150	1929	596	1309	373	1033
2655	2201	1975	610	1340	382	1057
2835	2253	2022	624	1372	390	1083
3037.5	2302	2066	638	1402	399	1107
3240	2352	2110	652	1432	407	1130
3442.5	2400	2154	665	1462	415	1154
3667.5	2451	2200	680	1493	424	1178
3937.5	2510	2252	696	1529	434	1207
4207.5	2566	2303	711	1563	444	1234
4500	2624	2355	727	1598	454	1261
4837.5	2688	2412	745	1637	465	1292
5175	2749	2467	762	1674	476	1321
5512.5	2808	2520	778	1710	486	1350
5850	2864	2570	794	1744	496	1376
6225	2923	2623	810	1780	506	1405
6525	2970	2665	823	1808	514	1428

Nominal Weight Kg	A	L	H	C	C_1	B
6975	3042	2730	843	1853	527	1462
7425	3100	2782	859	1888	537	1490
7875	3162	2837	876	1925	547	1520
8325	3221	2890	893	1961	558	1548
8775	3278	2942	909	1996	567	1576
9225	3333	2991	924	2030	577	1602
9675	3386	3039	939	2062	586	1628
10125	3438	3085	953	2094	595	1653
10575	3488	3130	967	2124	604	1677
11025	3537	3174	981	2154	612	1700
11550	3592	3224	996	2188	622	1727
12075	3646	3272	1011	2220	631	1753
12675	3705	3325	1027	2256	641	1781
13350	3770	3383	1045	2296	653	1812
14100	3839	3445	1064	2338	665	1846
15000	3919	3517	1086	2387	678	1884
16125	4015	3603	1113	2445	695	1930
17250	4106	3685	1138	2501	711	1974
18375	4194	3763	1163	2554	726	2016
19500	4278	3839	1186	2605	740	2056

SHEN ZHEN
CHONGQIANG XINGYE
MARINE CASTING

DANFORTH HHP ANCHOR A TYPE

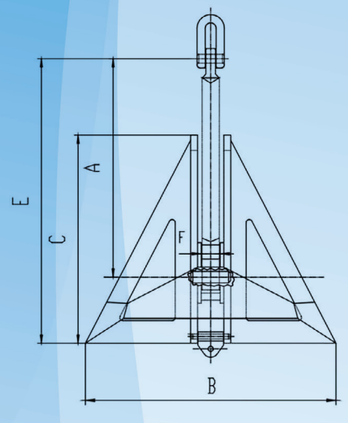


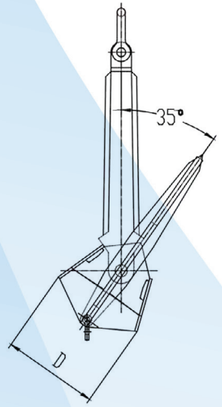


Nominal Weight Kg	A	C	L	B	H
50	800	485	710	355	226
68	890	540	790	395	250
75	920	555	815	410	260
100	1010	610	900	450	285
125	1090	660	970	485	310
150	1156	700	1030	515	326
200	1273	770	1132	566	360
227	1328	803	1180	590	375
250	1371	829	1220	610	390
300	1457	881	1296	648	411
350	1534	928	1364	682	433
400	1604	970	1426	713	452
450	1668	1009	1483	741	470
500	1727	1044	1537	768	487
700	1932	1169	1719	859	545
750	1977	1196	1759	879	558
770	1995	1206	1774	887	563
900	2100	1271	1869	934	593
1000	2176	1316	1936	967	614
1150	2280	1379	2028	1014	643
1250	2345	1418	2085	1042	661
1350	2405	1455	2140	1069	679
1500	2491	1507	2216	1107	703
1820	2657	1607	2364	1181	750
2000	2742	1658	2439	1219	774
2270	2860	1730	2544	1271	807
2500	2954	1786	2627	1313	833
3000	3139	1898	2792	1395	886
4500	3593	2173	3196	1597	1014
5670	3881	2347	3452	1725	1095
6804	4124	2494	3668	1833	1164
8165	4383	2651	3898	1948	1237

SHEN ZHEN
CHONGQIANG XINGYE
MARINE CASTING

DZ DELTA TYPE HHP ANCHOR





Nominal Weight Kg	A	B	C	D	E	F
100	781	869	693	329	999	66
150	893	993	793	377	1142	75
200	985	1096	875	416	1260	83
250	1061	1180	942	448	1357	90
300	1127	1254	1000	475	1442	95
350	1186	1320	1053	500	1517	100
400	1239	1378	1100	523	1585	105
450	1288	1433	1144	543	1648	109
500	1334	1485	1185	563	1707	113
550	1377	1532	1223	581	1762	116
600	1420	1580	1261	599	1817	120
650	1456	1620	1293	614	1863	123
700	1496	1664	1328	631	1914	126
750	1529	1701	1357	645	1956	129
800	1562	1738	1386	659	1998	132
850	1595	1774	1416	673	2040	135
900	1624	1807	1442	685	2078	137
1000	1684	1873	1495	710	2154	142
1500	1928	2145	1711	813	2466	163
2000	2122	2361	1884	895	2714	179
2500	2283	2541	2027	963	2921	193
3000	2428	2702	2156	1024	3106	205
3500	2557	2845	2270	1079	3271	216

Nominal Weight Kg	A	B	C	D	E	F
4000	2672	2973	2372	1127	3418	225
4500	2778	3090	2466	1172	3553	234
5000	2877	3200	2554	1213	3680	243
5500	2972	3307	2638	1254	3802	251
6000	3058	3402	2714	1290	3912	258
6500	3140	3494	2788	1325	4017	265
7000	3219	3582	2858	1358	4118	272
7500	3295	3666	2925	1390	4215	278
8000	3367	3747	2989	1421	4308	284
8500	3437	3824	3051	1450	4396	290
9000	3503	3897	3109	1478	4481	296
9500	3565	3967	3165	1504	4561	301
10000	3628	4036	3220	1530	4641	306
11000	3743	4165	3323	1579	4788	316
12000	3855	4289	3422	1626	4932	325
13000	3954	4399	3510	1668	5058	334
14000	4056	4513	3601	1711	5189	342
15000	4152	4619	3686	1751	5311	350
16000	4241	4718	3764	1789	5425	358
17000	4326	4813	3841	1825	5534	365
18000	4412	4909	3917	1861	5644	372
19000	4491	4997	3987	1895	5745	379
20000	4570	5085	4057	1928	5846	386

ANCHOR CHAINS

Common Link

End Link

Swivel

Kenter Shackle

End Shackle

WEIGHT (KG)

Chain Diameter (mm)	Stud Link Chain kg/27.5m	Common Link	Enlarged Link	End Link	Kenter Shackle	Joining Shackle	End Shackle	Swivel	Anchor Swivel Shackle A.SW.S (a)	Anchor Swivel Shackle A.SW.S (b)
14	128	0.26	0.39	0.32	0.6	0.67	1.5	1.05	-	-
16	150	0.35	0.49	0.57	0.65	0.95	1.52	1.34	-	-
17.5	197	0.50	0.66	0.67	0.88	1.34	2.05	1.73	-	-
19	236	0.66	0.85	1.06	1.13	1.84	2.41	2.17	-	-
20.5	268	0.80	1.02	1.06	1.36	2.2	3.25	2.2	-	-
22	324	1.04	1.3	1.58	1.64	2.66	3.95	3.5	17.5	7.6
24	370	1.30	1.65	1.84	2.13	3.4	5.12	4.53	17.5	9.9
26	431	1.64	2.03	2.74	2.58	4.5	6.7	5.79	37.6	12.5
28	496	2.04	2.48	3.23	3.3	5.19	8.1	7.25	37.6	15.7
30	563	2.48	3.58	3.74	4.15	6.32	10	9	91	19.4
32	635	0.98	4.45	4.74	5.06	8.24	11.77	10.03	91	23.4
34	712	3.54	5.21	5.54	6.01	9.56	14.2	12.75	107	28
36	800	4.23	5.99	6.95	6.89	11.31	16.55	14.96	107	33.4
38	888	4.96	6.15	7.66	8.4	13.45	19.55	17.44	107	39.4
40	1033	6.04	8.01	8.2	9.63	15.5	22.8	20.25	115	46
42	1084	6.65	9.04	9.92	11	18.1	26	25.4	115	53
44	1197	7.73	10.25	11.42	12.45	20.25	29.71	26.6	139	61
46	1310	8.80	11.54	13.92	14.1	23.33	34.3	30.67	139	70
48	1438	10.06	14.44	15.67	16.7	27.5	38	35	139	79
50	1546	11.28	16.06	17.7	19	31.6	45.2	40.5	264	89
52	1661	12.68	17.85	18.97	20.3	34	50.9	49.5	264	101
54	1791	14.10	19.6	20.84	23.7	38.5	53.8	50.5	270	113
56	1926	15.66	21.69	23.55	26.7	46	63	55	270	126
58	2086	17.83	24	25.95	27.2	46.8	70	64.6	294	140
60	2249	19.90	26	28.48	27.7	51	77.5	71.3	294	155
62	2361	21.66	28.63	30.81	35	59.2	86.3	77.7	294	171
64	2516	23.51	31.13	32.7	38.4	62.7	96.3	83.3	403	188
66	2676	25.98	35	38.4	42.3	75	99.6	88.7	403	206
68	2885	28.60	39.72	39.5	46	76.7	102.6	100	403	225
70	3010	31.00	43.33	43.8	48.7	90	126.2	107.8	464	246
73	3274	35.20	48.3	49	53	95	138.2	125.6	464	278
76	3548	39.90	53.6	57.1	60.7	107	146	143.8	464	314
78	3737	43.00	59.9	62.3	65.5	116	164	154	749	340
81	4030	48.60	66	67.4	75	130	190	188	749	380
84	4334	53.50	69	74.4	90	136	212	198	931	424
87	4650	58.90	81.1	84.6	96	160	237	215	931	472
90	4976	66.35	88	91	108	176	245	238	1191	522
92	5199	71.22	97.5	100	114	196	257	252	1191	558
95	5544	78.08	101	109	128	215	300	269	1191	614
97	5780	83.77	107	117	133	222	335	301	-	654
100	6143	89.03	120	127	146	252	353	330	1464	717
102	6398	95.50	130	134	158	267	378	344	1464	761
105	6773	104.20	139	150	160	294	385	387	1466	830
107	7033	111.63	148	160	180	305	420	428	1466	879
111	7569	124.08	161	171	198	325	463	448	1830	980
114	7983	135.31	168	190	204	345	485	460	1830	1062
117	8409	147.53	177	209	229	365	528	475	1830	1147
120	8863	155.49	204	225	250	400	570	547	-	-
122	9143	166.24	218	234	263	425	602	649	-	-
124	9399	170.90	228	246	290	465	632	680	-	-
127	9830	185.47	244	269	312	499	679	729	-	-
130	10300	194.34	264	293	333	536	729	784	-	-
132	10620	208.24	270	298	350	561	762	820	-	-
137	11439	233.45	298	329	392	627	852	912	-	-
142	12289	261.47	333	383	436	698	949	1012	-	-
147	13170	297.67	377	419	485	774	1053	1124	-	-
152	14081	312.91	416	458	537	856	1164	1238	-	-
157	15023	349.37	450	499	591	943	1283	1360	-	-
162	15995	390.12	496	542	651	1036	1410	1490	-	-

ANCHOR CHAINS

TESTING LOAD OF ANCHOR CHAIN, ACCESSORIES & MOORING CHAIN

Chain Diameter	ANCHOR CHAIN				OFFSHORE MOORING CHAIN										
	ABS,BV,CCS,CR,DNV,GL, KR,LR,NK,RINA,RMRS				API		ABS	DNV	ABS/DNV	ABS/DNV			ABS/DNV		
							C/EL/E/SL	C/EL/E/SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL
	Grade 2		Grade 3		ORQ		RQ3	NVR3	NVR3/RQ3	RQ3S/NVR3S			RQ4/NVR4		
	PL C=0.098	BL C=0.0137	PL C=0.0137	BL C=0.0196	PL C=0.014	BL C=0.0211	PL C=0.0148	PL C=0.0156	BL C=0.0223	PL C=0.0180	PL C=0.01743	BL C=0.0249	PL C=0.0216	PL C=0.01918	BL C=0.0274
mm	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN
14	82	116	-	-	R4s,R5		Proof and Break Test Loads for R4s and R5								
16	107	150	-	-											
17.5	127	179	-	-	Test Load, in kN		Grade R4s Stud Link R4s				Grade R5 Stud Link				
19	150	211	-	-	Proof		0.0240 d^2 (44-0.08d)				0.0251 d^2 (44-0.08d)				
20.5	175	244	-	-	Break		0.0304 d^2 (44-0.08d)				0.0320 d^2 (44-0.08d) *0.0319 d^2 (44-0.08d)				
22	200	280	-	-	Test Load, in kN		Grade R4s Studless R4s				Grade R5 Studless R5				
24	237	332	-	-	Proof		0.0213 d^2 (44-0.08d)				0.0223 d^2 (44-0.08d)				
26	278	389	-	-	Break		0.0304 d^2 (44-0.08d)				0.0320d^2 (44-0.08d) *0.0319d^2 (44-0.08d)				
28	321	449	449	642	Chain Weight, in Kg/m		Stud Link = 0.0219d^2								
30	368	514	514	735	Note. *DNV's rule d= nominal diameter of chain										
32	417	583	583	833											
34	468	655	655	937	668	1007	706	745	1064	859	832	1188	1031	917	1308
36	523	732	732	1050	746	1124	789	832	1189	960	929	1327	1151	1023	1460
38	581	812	812	1160	828	1248	876	923	1319	1065	1029	1473	1278	1135	1621
40	640	896	896	1280	914	1376	967	1019	1456	1176	1137	1626	1411	1253	1789
42	703	981	981	1400	999	1513	1056	1114	1592	1285	1243	1777	1542	1370	1956
44	769	1080	1080	1540	1097	1654	1160	1223	1748	1411	1365	1951	1693	1503	2147
46	837	1170	1170	1680	1194	1800	1263	1331	1902	1535	1487	2124	1843	1636	2337
48	908	1270	1270	1810	1295	1952	1369	1443	2063	1665	1613	2304	2037	1775	2535
50	981	1370	1370	1960	1400	2110	1480	1561	2230	1800	1744	2490	2160	1919	2740
52	1060	1480	1480	2110	1508	2273	1594	1682	2402	1939	1878	2682	2327	2067	2952
54	1140	1590	1590	2270	1620	2441	1712	1806	2580	2083	2017	2881	2499	2220	3170
56	1220	1710	1710	2430	1735	2615	1834	1935	2764	2231	2161	3086	2677	2378	3396
58	1290	1810	1810	2600	1851	2794	1960	2068	2953	2383	2308	3297	2860	2540	3628
60	1380	1940	1940	2770	1976	2978	2089	2203	3147	2540	2460	3514	3048	2707	3867
62	1470	2060	2060	2940	2101	3166	2221	2243	3347	2701	2616	3737	3242	2879	4112
64	1560	2190	2190	3130	2230	3360	2357	2486	3551	2867	2776	3965	3440	3055	4364
66	1660	2310	2310	3300	2360	3559	2496	2633	3761	3036	2940	4200	3643	3235	4621
68	1750	2450	2450	3500	2496	3762	2639	2784	3976	3209	3108	4440	3851	3420	4885
70	1840	2580	2580	3690	2631	3970	2785	2938	4196	3387	3280	4685	4064	3609	5156

TESTING LOAD OF ANCHOR CHAIN, ACCESSORIES & MOORING CHAIN

Chain Diameter	ANCHOR CHAIN				OFFSHORE MOORING CHAIN										
	ABS,BV,CCS,CR,DNV,GL, KR,LR,NK,RINA,RMRS				API		ABS	DNV	ABS/DNV	ABS/DNV			ABS/DNV		
							C/EL/E/SL	C/EL/E/SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL
	Grade 2		Grade 3		ORQ		RQ3	NVR3	NVR3/RQ3	RQ3S/NVR3S			RQ4/NVR4		
	PL C=0.098	BL C=0.0137	PL C=0.0137	BL C=0.0196	PL C=0.014	BL C=0.0211	PL C=0.0148	PL C=0.0156	BL C=0.0223	PL C=0.0180	PL C=0.01743	BL C=0.0249	PL C=0.0216	PL C=0.01918	BL C=0.0274
mm	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN
73	1990	2790	2790	3990	2847	4291	3010	3175	4535	3660	3545	5064	4392	3901	5572
76	2150	3010	3010	4300	3066	4621	3242	3419	4884	3942	3818	5454	4731	4201	6001
78	2260	3160	3160	4500	3216	4847	3400	3587	5123	4135	4005	5720	4962	4407	6295
81	2410	3380	3380	4820	3446	5194	3643	3843	5490	4431	4291	6130	5317	4722	6745
84	2580	3610	3610	5160	3683	5550	3893	4107	5866	4735	4585	6550	5682	5046	7208
87	2750	3850	3850	5500	3925	5916	4149	4377	6252	5046	4887	6981	6056	5378	7682
90	2920	4090	4090	5840	4173	6289	4412	4653	6647	5365	5196	7422	6439	5718	8167
92	3040	4260	4260	6080	4242	6544	4590	4842	6916	5582	5406	7722	6699	5949	8497
95	3230	4510	4510	6440	4599	6932	4862	5128	7326	5913	5726	8180	7086	6301	9001
97	3340	4680	4680	6690	4774	7195	5047	5323	7604	6138	5944	8490	7365	6541	9343
100	3530	4940	4940	7060	5040	7596	5328	5620	8028	6480	6275	8964	7776	6905	9864
102	3660	5120	5120	7320	5220	7868	5519	5821	8315	6712	6500	9285	8054	7152	10217
105	3850	5390	5390	7700	5495	8282	5809	6128	8753	7065	6840	9773	8478	7528	10754
107	3980	5570	5570	7960	5681	8561	6005	6334	9048	7304	7073	10103	8764	7783	11118
111	4250	5940	5940	8480	6058	9130	6401	6755	9650	7789	7543	10775	9347	8300	11856
114	4440	6230	6230	8890	6346	9565	6709	7077	10109	8159	7902	11287	9791	8695	12420
117	4650	6510	6510	9300	6639	10005	7018	7402	10574	8535	8266	11807	10242	9095	12993
120	4850	6810	6810	9720	6953	10452	7331	7733	11047	8916	8635	12334	10700	9502	13573
122	5000	7000	7000	9990	7135	10753	7542	7956	11365	9173	8883	12690	11008	9775	13964
124	5140	7200	7200	10280	7336	11057	7755	8175	11688	9433	9134	13048	11319	10051	14358
127	5350	7490	7490	10710	7641	11516	8078	8515	12172	9825	9514	13951	11790	10469	14955
130	5570	7800	7800	11140	7950	11981	8404	8858	12663	10222	9898	14140	12266	10892	15559
132	5720	8000	8000	11420	8157	12294	8623	9090	12994	10488	10156	14509	12586	11176	15965
137	6080	8510	8510	12160	8682	13085	9178	9674	13829	11163	10809	15442	13395	11895	16992
142	6450	9030	9030	12910	9214	13887	9740	10268	14677	11847	11472	16389	14217	12624	18034
147	6840	9560	9560	13660	9753	14670	10310	10869	15536	12540	12144	17348	15049	13363	19089
152	7220	10100	10100	14430	10299	15522	10887	11477	16405	13242	12823	18318	15890	14110	20157
157	7600	10640	10640	15200	11126	16768	11762	12090	17282	13950	13508	19297	16740	14864	21234
162	7990	11180	11180	15980	11405	17189	12057	12708	18166	14663	14199	20284	17596	15625	22320

REPUTED CLIENT LIST INCLUDES

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